

Title (en)  
PROSTHESIS GUIDE COMPRISING PATIENT-MATCHED FEATURES

Title (de)  
PROTHESENFÜHRUNG MIT PATIENTENSPEZIFISCHEN MERKMALEN

Title (fr)  
GUIDE DE PROTHÈSE COMPRENANT DES CARACTÉRISTIQUES APPARIÉES À UN PATIENT

Publication  
**EP 2713921 B1 20171011 (EN)**

Application  
**EP 12792739 A 20120531**

Priority  
• US 201161493260 P 20110603  
• US 201161561619 P 20111118  
• US 2012040164 W 20120531

Abstract (en)  
[origin: WO2012166888A2] Disclosed herein are systems, devices, and methods for guiding placement, orientation, and fixation of an orthopedic implant. Examples include a surgical guide having a first surface structured to fit within a prosthetic cup, at least one guide hole through the first surface, and an alignment structure having a contour formed from data indicative of the patient anatomy. The contour of the alignment surface is complementary to a portion of the patient anatomy in a unique orientation that aligns the guide hole with tissue suitable for receiving a fastener. The alignment structure preferably includes an arm with a first end coupled to a rim of the guide and a second end coupled to the contour. In certain implementations, the guide includes a plurality of alignment structures. Further disclosed are methods of making and using a surgical guide for aligning an orthopedic implant.

IPC 8 full level  
**A61B 17/90** (2006.01); **A61F 2/30** (2006.01); **A61F 2/34** (2006.01); **A61F 2/46** (2006.01)

CPC (source: CN EP US)  
**A61B 34/10** (2016.02 - US); **A61F 2/30942** (2013.01 - CN); **A61F 2/4609** (2013.01 - CN EP US); **A61F 2/30942** (2013.01 - EP US); **A61F 2002/30576** (2013.01 - CN EP US); **A61F 2002/30784** (2013.01 - CN EP US)

Cited by  
US11986251B2; US11931106B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012166888 A2 20121206; WO 2012166888 A3 20130510**; AU 2012262215 A1 20131219; AU 2012262215 B2 20161208; BR 112013031017 A2 20161129; CA 2837872 A1 20121206; CN 103702630 A 20140402; EP 2713921 A2 20140409; EP 2713921 A4 20140924; EP 2713921 B1 20171011; JP 2014521395 A 20140828; JP 6211514 B2 20171011; RU 2013157034 A 20150720; US 10568746 B2 20200225; US 11298189 B2 20220412; US 2014100579 A1 20140410; US 2018185168 A1 20180705; US 2020179134 A1 20200611; US 9956089 B2 20180501

DOCDB simple family (application)  
**US 2012040164 W 20120531**; AU 2012262215 A 20120531; BR 112013031017 A 20120531; CA 2837872 A 20120531; CN 201280038699 A 20120531; EP 12792739 A 20120531; JP 2014513688 A 20120531; RU 2013157034 A 20120531; US 201214123492 A 20120531; US 201815906543 A 20180227; US 202016790332 A 20200213